PTO/SB/05 (08-03)

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	2236.0030000/JUK/GSB	3
First Inventor	YANG et al.	553
Title	METHOD OF FABRICATING PATTERNED POLYMEI FILM WITH NANOMETER SCALE	22.
Express Mail Label No		

See MPEP c		ION ELEMENTS rning utility patent application contents.	ADDRES	S TO: Coi	l Stop Patent Applic nmissioner for Pate . Box 1450 xandria VA 22313-1	ents	
(Submit Applica See 37 3. X Specifi (preferre - Descri - Cross - Staten - Refere or a cc - Backg - Brief S - Brief C - Detaile - Claime - Abstra	an original and a ant claims small of CFR 1.27. Ication ed arrangement stiptive title of the in Reference to Relament Regarding Feence to sequence computer program liground of the Inversummary of the In Description of the ed Description (s) act of the Disclosu	[Total Pages 15] et forth below) vention ated Applications ed sponsored R & D listing, a table, isting appendix ntion vention Drawings (if filed)	8. Nucleo (if appli a. b. i. c. AC	D-ROM or CD-R in purporter Program (and/or Amino cable, all necessary) Computer Rea Specification S CD-ROM Paper Statements vere COMPANYING Assignment Paper 37 CFR 3.73(b) St	duplicate, large (Appendix) Acid Sequence (Appendix) Acid Acid Sequence (Appendix) Acid Acid Acid Acid Acid Acid Acid Acid	table of Submit 5) on: es); of above 10N to document 1 Pove 10	e copies PARTS nent(s))
	wly executed (or	[Total Sheets2] iginal or copy) pplication (37 CFR 1.63(d))	11. 1	(when there is an English Translation Information Disclo Statement (IDS)/P Preliminary Amen	n Document (if apsure TO-1449	o <i>plicat</i>] Cop	orney ole) oles of IDS ations
i. 🗀	DELETION OF Signed statement name in the prior a 1.63(d)(2) and 1.3	attached deleting inventor(s) application, see 37 CFR	14. X 15. 16. 16. X	Return Receipt Po (Should be specific Certified Copy of F (if foreign priority in Nonpublication Re (b)(2)(B)(i). Applic (b)(2)(B)(i). Applic or its equivalent.	estcard (MPEP 50 cally itemized) Priority Documents claimed) equest under 35 Lant must attach for the cattern and the cattern under 37CFR 1	I(s) J.S.C. orm P	TO/SB/35
		ATION, check appropriate box, and sup or in an Application Data Sheet under 3		ite information bel	ow and in the firs	t sente	ence of the
	nuation		ation-in-part (CIF	of prior ap	plication No.:		
Prior application information: Examiner For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS							
			DENCE ADI	DKE99			
X Custom	ner Number:	26111		or □	Correspondence	addre	ess below
Name		, Kessler, Goldstein & Fox P.L.L.C	2.				
Address	11001	New York Avenue	<u>-</u>				
City	Washi		State	DC	Zip Co		20005
Country	U.S.A	. 7	elephone		Fax		
Name (Print/Ty	pe) George S	. Bardmesser	Registration	No. (Attorney/Ag			020
Signature		UWX			Date	1/	22/04

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Signature

PTO/SB/17 (10-03)

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

X Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 425.00

Complete if Known				
Application Number	To Be Assigned			
Filing Date	Herewith (January 22, 2004)			
First Named Inventor	YANG et al.			
Examiner Name	To Be Assigned			
Art Unit	To Be Assigned			
Attorney Docket No.	2236 0030000/ILIK/CSP			

Date

04

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)				
Check X Credit card Money X Other* None	3. ADDITIONAL FEES					
**Charge any deficiencies or credit any overpayments in		Entity	Small	Entity		
Deposit		Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number 19-0036	1051	130	2051		Surcharge - late filing fee or oath	100 1 010
Deposit Account Sterne, Kessler, Goldstein & Fox P.L.L.C.	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name	1053	130	1053	130	Non-English specification	
The Director is authorized to: (check all that apply) Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*		
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee 385.00	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 385.00		110	2452	55	Petition to revive - unavoidable	
	1453	1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)	
Extra Claims below Fee Paid Total Claims 14 - 20 **= 0 X 18 = 0	1502	480	2502	240	Design issue fee	
Independent 2 3 *** 0 Y %	1503	640	2503	320	Plant issue fee	
Claims	1460	130	1460	130	Petitions to the Commissioner	
	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86 2204 43 ** Reissue independent claims				205	examined (37 CFR 1.129(b))	
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1801	770	2801		Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	800	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 0	Other	fee (sp	ecify) _			
**or number previously paid, if greater; For Reissues, see above	*Redu	ced by	Basic F	iling Fe	ee Paid SUBTOTAL (3) (\$)	40.00
SUBMITTED BY (Complete (if applicable))						
Name (Print/Type) George S. Bardmesser (202) 371-2600						

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

YANG et al.

Appl. No.: To Be Assigned

Filed: Herewith (January 22, 2004)

For: Method of Fabricating Patterned **Polymer Film With Nanometer**

Scale

Confirmation No.: To Be Assigned

Art Unit: To Be Assigned Examiner: To Be Assigned

Atty. Docket: 2236.0030000/JUK/GSB

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

George S. Bardmesser Attorney for Applicants Registration No. 44,020

Date: ____January 22, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Tracy-Gene G. Durkin Michele A. Cimbala Michael B. Ray Robert E. Sokohl Michael C. Ledwig
John M. Covert
Linda E. Alcorn
Robert C. Millonig
Lawrence B. Bugaisky
Donald J. Featherstone
Michael V. Messinger Judith V. Kim Timothy J. Shea, Jr. Patrick E. Garrett Heidi L. Kraus Edward W. Yee Albert L. Ferro* Donald R. Banowit Peter A. Jackman Molly A. McCall Teresa U. Medler Jeffrey S. Weaver Kendrick P. Patterson Vincent L. Capuano Eldora Ellison Floyd Brian J. Del Buono Virgil Lee Beaston Kimberly N. Reddick

Theodore A. Wood Elizabeth J. Haanes Bruce E. Chalker Joseph S. Ostroff Frank R. Cottingham Christine M. Lhulier Michael D. Specht Tracy L. Muller*
Jon E. Wright*
LuAnne M. Yuricek*

Christine M. Lifuller Rae Lynn Prengaman Jane Shershenovich* Lawrence J. Carroll* George S. Bardmesser Daniel A. Klein* Jason D. Eisenberg Michael D. Snecht

Ann E. Summerfield Tiera S. Coston* Aric W. Ledford* Registered Patent Agents •

Karen R. Markowicz Nancy J. Leith Helene C. Carlson Gaby L. Longsworth Matthew J. Dowd Mary B. Tung Katrina Y. Pei Quach Bryan L. Skelton Robert A. Schwartzman Timothy A. Doyle Jennifer R. Mahalingappa

Mail Stop Patent Application

Teresa A. Colella Jeffrey S. Lundgren Victoria S. Rutherford Eric D. Hayes

Of Counsel Kenneth C. Bass III Evan R. Smith

*Admitted only in Maryland *Admitted only in Virginia •Practice Limited to

January 22, 2004

WRITER'S DIRECT NUMBER: (202) 772-8782 **INTERNET ADDRESS:** GBARDMES@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No.: To Be Assigned; Filed: Herewith (January 22, 2004)

Method of Fabricating Patterned Polymer Film With Nanometer For:

Inventors:

YANG et al.

Our Ref:

2236.0030000/JUK/GSB

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- PTO Fee Transmittal (Form PTO/SB/17); 1.
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Method of Fabricating Patterned Polymer Film With Nanometer Scale

and naming as inventors:

Seung-Man YANG, Se Gyu JANG and Dae-Geun CHOI

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. A facsimile copy of the original executed Combined Declaration and Power of Attorney;
- c. A specification containing:
 - i. eleven (11) pages of description prior to the claims;

Sterne, Kessler, Goldstein & Fox PLLC. : 1100 New York Avenue, NW : Washington, DC 20005 : 202.371.2600 f 202.371.2540 : www.skgf.com

Commissioner for Patents January 22, 2004 Page 2

- ii. three (3) pages of claims (14 claims);
- iii. a one (1) page abstract;
- d. Ten (10) sheets of drawings (FIGs. 1, 2A-2B, 3A-3B, 3C-3D, 3E-3F, 4A-4B, 4C-4D, 5A-5B, 6A-6B and 6C-6D);
- 4. A Preliminary Amendment;
- 5. A certified copy of Korean Application No. 2003-0042676, filed June 27, 2003, priority of which is hereby claimed;
- 6. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 7. Recordation Form Cover Sheet;
- 8. A facsimile copy of the original executed Assignment to **Korea Advanced**Institute of Science and Technology, recordation of which is hereby respectfully requested;
- 9. Two (2) return postcards;
- 10. Form PTO-2038 Credit Card Payment Form in the amount of \$425.00 to cover: \$385.00 Utility Filing fee; and \$40.00 Assignment Recordation fee.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

George S. Bardmesser Attorney for Applicants Registration No. 44,020

JUK/GSB:krh Enclosures

221376v1